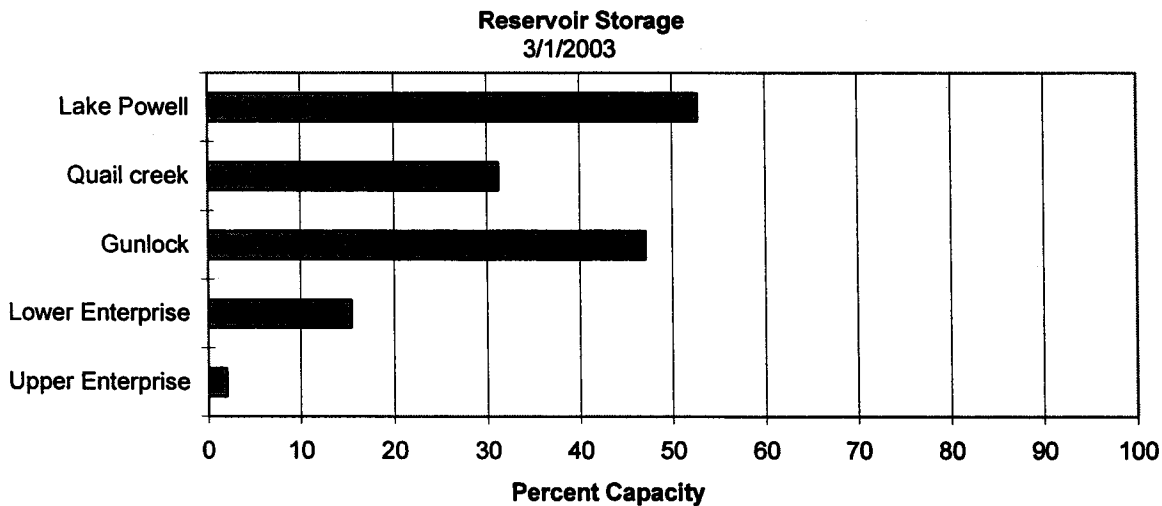
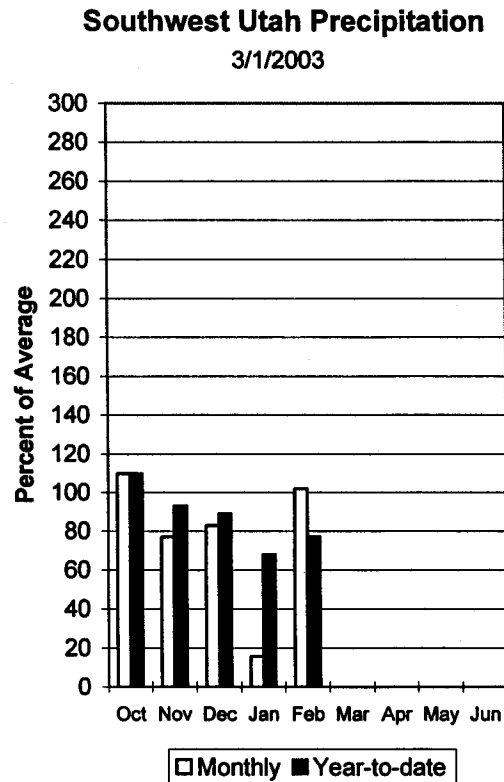
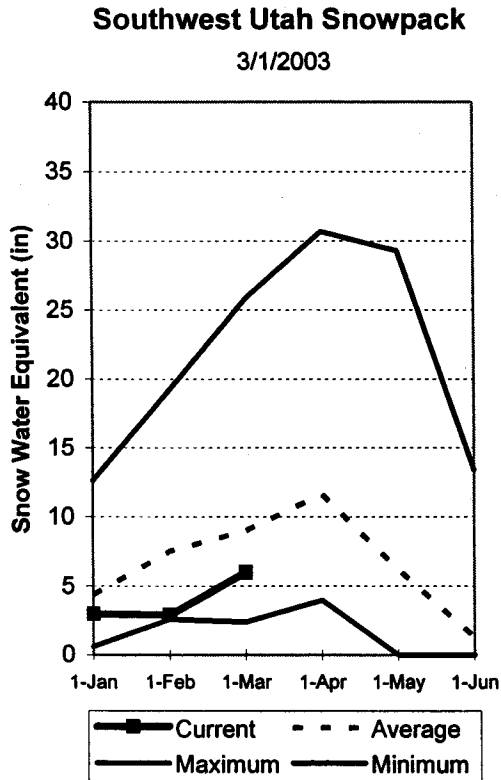


# **E. Garfield, Kane, Washington, & Iron co.** **Mar 1, 2003**

Snowpacks in this region are at 59% of average, about 186% of last year and up 20% relative to last month. Individual sites range from 9 to 88% of average and it could be the fifth consecutive below normal April 1 snowpack year. There is a 16% chance of getting back to average conditions by April 1. Soil moisture is somewhat improved over last year and may yield a higher runoff efficiency. Precipitation was near normal during February at 102% of average, bringing the seasonal accumulation (Oct-Feb) to 77% of normal. Reservoir storage is at 29% of capacity. General water supply conditions and streamflow forecasts are much below normal.



**E. GARFIELD, KANE, WASHINGTON, & IRON Co.**  
**Streamflow Forecasts - March 1, 2003**

Forecast Point	Forecast Period	<<----- Drier -----		Future Conditions		----- Wetter ----->>		30-Yr Avg. (1000AF)
		90%	70%	50% (Most Probable)	Chance Of Exceeding *	30%	10%	
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	
Lake Powell inflow	APR-JUL	1900	3630	4800	61	5970	7700	7930
Virgin River nr Virgin	APR-JUL	13.9	27	38	59	51	74	64
Virgin River nr Hurricane	APR-JUL	8.3	25	37	54	49	66	69
Santa Clara River nr Pine Valley	APR-JUL	0.97	2.14	3.20	58	4.47	6.72	5.50
Coal Creek nr Cedar City	APR-JUL	3.7	6.8	9.5	49	12.6	17.9	19.3

**E. GARFIELD, KANE, WASHINGTON, & IRON Co.**  
**Reservoir Storage (1000 AF) - End of February**

**E. GARFIELD, KANE, WASHINGTON, & IRON Co.**  
**Watershed Snowpack Analysis - March 1, 2003**

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
GUNLOCK	10.4	4.9	7.5	4.9	VIRGIN RIVER	5	171	59
LAKE POWELL	24322.0	12833.0	17201.0	---	PAROWAN	2	146	62
QUAIL CREEK	40.0	12.5	37.1	29.7	ENTERPRISE TO NEW HARMONY	2	571	30
UPPER ENTERPRISE	10.0	0.2	0.5	---	COAL CREEK	2	157	62
LOWER ENTERPRISE	2.6	0.4	0.2	90.0	ESCALANTE RIVER	2	178	79
					E. GARFIELD, KANE, WASHIN	9	182	59

\* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.  
(2) - The value is natural volume - actual volume may be affected by upstream water management.